

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of determining mainly the compressibility number K , the standard volumetric gross calorific value $H_{v,n}$ and the standard density ρ_n of test gases using values determined from a spectrum of the test gases. The invention describes various approaches of translating the values for determining the desired values using the data of the spectrum in the operational condition to the standard reference condition using two-step iteration processes without having to subject the test gases to time-consuming treatments. The invention further relates to devices which are useful for determining the values required for said methods and which further develop devices that can be used for carrying out said methods.

09869782.070501


 INTERNATIONALE ANMELDUNG VERÖFFENTLICHT NACH DEM VERTRAG ÜBER DIE
INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES PATENTWESENS (PCT)
(51) Internationale Patentklassifikation ⁷:

G01N 21/35, 33/28

A1

(11) Internationale Veröffentlichungsnummer: WO 00/40948

(43) Internationales

Veröffentlichungsdatum:

13. Juli 2000 (13.07.00)

(21) Internationales Aktenzeichen: PCT/DE00/00067

(22) Internationales Anmeldedatum: 4. Januar 2000 (04.01.00)

(30) Prioritätsdaten:

199 00 129.4

5. Januar 1999 (05.01.99)

DE

 (71) Anmelder (für alle Bestimmungsstaaten ausser US):
FLOWCOMP SYSTEMTECHNIK GMBH [DE/DE];
Schlossstrasse 89 A, D-44357 Dortmund (DE).

(72) Erfinder; und

 (75) Erfinder/Anmelder (nur für US): STERNBERG, Dieter
[DE/DE]; Hacheneyer Strasse 172, D-44265 Dortmund
(DE). KASTNER, Joachim [DE/DE]; Landgrafenstrasse 34,
D-44139 Dortmund (DE).

 (74) Anwalt: SCHNEIDER, Uwe; Holbeinstrasse 27, D-59423
Unna (DE).

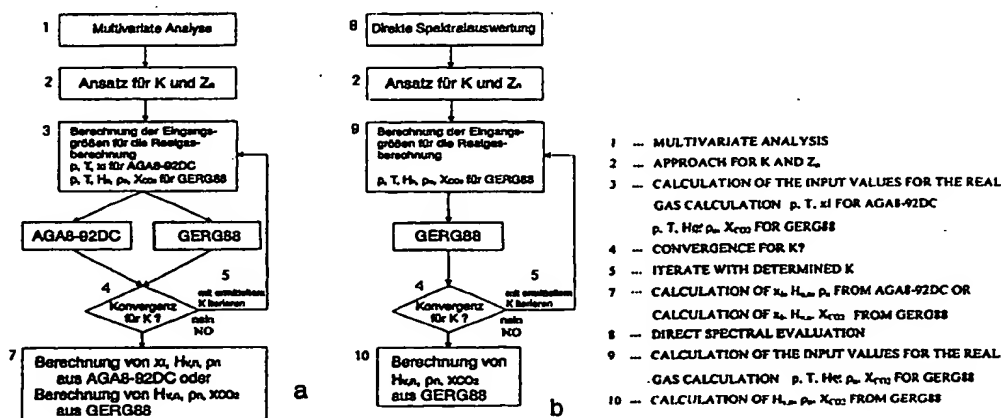
 (81) Bestimmungsstaaten: AE, AL, AM, AT, AU, AZ, BA, BB,
BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG,
MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE,
SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN,
YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD,
SL, SZ, TZ, UG, ZW), eurasisches Patent (AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM), europäisches Patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GW, ML, MR, NE, SN, TD, TG).

Veröffentlicht

Mit internationalem Recherchenbericht.

(54) Title: METHOD OF DETERMINING THE GAS QUALITY

(54) Bezeichnung: GASQUALITÄTSBESTIMMUNG



(57) Abstract

The invention relates to a method of determining mainly the compressibility number K, the standard volumetric gross calorific value $H_{v,n}$ and the standard density ρ_n of test gases (1) using values determined from a spectrum of the test gases (1). The invention describes various approaches of translating the values for determining the desired values using the data of the spectrum in the operational condition to the standard reference condition using two-step iteration processes without having to subject the test gases (1) to time-consuming treatments. The invention further relates to devices which are useful for determining the values required for said methods and which further develop devices that can be used for carrying out said methods.